

## DAFTAR PUSTAKA

- Airin, S., A. Linoby, M. S. Mohamad Zaki, H. Baki, H. Sariman, B. Esham, *et al.* 2014. The Effects of High-Intensity Interval Training and Continuous Training on Weight Loss and Body Composition in Overweight Females. *Proceedings of the International Colloquium on Sports Science, Exercise, Engineering and Technology 2014 (ICoSSEET 2014)*, 401–409.
- Bener, A., M. T. Yousafzai, S. Darwis, A. O. A. A. Al-Hamaq, E. A. Nasralla, M. A. Ghani. 2013. Obesity Index that Better Predict Metabolic Syndrome: Body Mass Index, Waist Circumference, Waist Hip Ratio, or Waist Height Ratio. *Journal of Obesity* 2013. 1-9
- Birch, K., D. MacLaren, K. George. 2005. *Sport & Exercise Physiology*. Oxon : Garland Science / BIOS Scientific Publishers.
- Brondani, L. de A., Canani, Souza, B.M. de, Assmann, T.S., Bouças, A.P., Bauer, A.C., , *et al.*,, 2014. Association of the UCP polymorphisms with susceptibility to obesity: case–control study and meta-analysis. *Mol. Biol. Rep.* 41: 5053–5067.
- Busiello, R.A., Savarese, S., & Lombardi, A., 2015. Mitochondrial uncoupling proteins and energy metabolism. *Front. Physiol.* 6: 36. doi:10.3389/fphys.2015.00036
- Chaves, T. de Oliveira, M. S. Reis. 2019. Abdominal Circumference or Waist Circumference?. *International Journal of Cardiovascular Sciences*. 32(3) : 290-292.
- Dahlan, S., 2014. *Statistik untuk Kedokteran dan Kesehatan*. Jakarta: Epidemiologi Indonesia.
- Davis SR, Castelo-Branco C, Chedraui P , Lumsden MA , Nappi RE , Shah D, , *et al.*,. 2012. Understanding Weight Gain at Menopause. *Climacteric*.15:419–29.
- De Souza, B. M., T. S. Assmann, L. M. Kliemann, J. L. Gross, L.H. Canani, D. Crispim. 2011. The Role of Uncoupling Protein 2 (UCP-2) on the Development of Type 2 Diabetes Mellitus and its Chronic Complications. *Arq. Bras. Endocrinol. Metab.* 55(4) : 239-248.

- Diana, R., I. Yuliana, G. Yasmin, Hardiansyah. 2013. Faktor Risiko Kegemukan Pada Wanita Dewasa Indonesia . *Jurnal Gizi dan Pangan*. Vol. 8(1) : 1-8.
- Gamboa, R., Claudia H., Vanessa L., Rosalinda P., Guillermo C., Aida M., *et al.* 2013. The UCP-2 -866G/A, ALA55Val and UCP3 -55C/T Polymorphism are Associated with Premature Coronary Artery Disease and Cardiovascular Risk Factors in Mexican Population. *Genetics and Molecular Biology*. 41(2): 371-378.
- Guyton, A. C. dan John E. Hall. 2007. *Buku Ajar Fisiologi Kedokteran Edisi 13*. Jakarta: EGC.
- Haskell WL, I-Min L, Pate RR, Powell KE, Blair SN, Franklin BA, , *et al.*,. 2007. Physical activity and public health: updated recommendation for adults from the American College of Sports Medicine and the American Heart Association. *Circulation*. 116:1081-1093. [diakses 1 Agustus 2020].
- Hill, J.O., H. R. Wyatt, J.C. Peters. 2012. Energy Balance and Obesity. *Circulation*. 126:126-132.
- Hruby, A., F. B. Hu. 2016. The Epidemiology of Obesity : A Big Picture. *Pharmacoeconomics*. 33(7) : 673-689.
- Huxley, R., S. Mendis, E. Zheleznyakov, S. Reddy, J. Chan. 2010. Body Mass Index, Waist Circumference and Waist : Hip Ratio as Predictors of Cardiovascular Risk. *European Journal Of Clinical Nutrition*. 64 : 16-22.
- Jin M-J, Chen B-B, Mao Y-Y, Zhu Y-M, Yu Y-X, Wu Y-Y, , *et al.*,. 2013. Prevalence of overweight and obesity and their associations with socioeconomic status in a Rural Han Chinese adult population. *PloS one*. 8(11): e79946 [Diakses 1 Agustus 2020].
- Kadir, A. 2015. Penentuan Kriteria Obesitas. *Jurnal Ilmu Keolahragaan; ARENA*. Vol 7(1): 79-93
- Kahan, S. 2016. Overweight and Obesity Management Strategies. *The American Journal of Managed Care*. 1-4.
- Keating, S. E., E. A. Machan, H. T. O'Connor, J. A. Geroft, A. Sainsbury, I. D. Caterson, N. A. Johnson. 2014 Continuous Exercise but Not High Intensity

Interval Training Improves Fat Distribution in Overweight Adults. *Journal of Obesity*. 1-12

Kementrian Kesehatan RI. 2018. *Laporan Hasil Riset Kesehatan Dasar 2018*. Kementerian Kesehatan Badan Penelitian dan Pengembangan Kesehatan, Departemen Kesehatan, Jakarta.

Kementrian Kesehatan RI. 2018. *Riset Kesehatan Dasar 2018*. Kementerian Kesehatan Badan Penelitian dan Pengembangan Kesehatan, Departemen Kesehatan, Jakarta.

Khammassi, M., Ouerghi, N., Hadj-Taieb, S., Feki, M., Thivel, D., & Bouassida, A.. 2018. Impact of a 12-week High-Intensity Interval Training Without Caloric Restriction on Body Composition and Lipid Profile in Sedentary Healthy Overweight/Obese Youth. *J Exerc Rehabil*. 14: 118–125.

Kim. J., Sharma S. V., Park S. K. 2014. Association between socioeconomic status and obesity in adults: evidence from the 2001 to 2009: Korea National Health and Nutrition examination survey. *J Prev Med Public Health*. 47:94-103.

Kim, H. J., S. Y. Lee, C. M. Kim. 2018. Association Between Gene Polymorphism and Obesity and Physical Fitness in Korean Children. *Biol. Sport*. 35 : 21-27.

Koubaa, A., A. Elloumi, H. Trabelsi, L. Masmoudi, Z. Sahnoun, A. Hakim. 2013. Physical Activity Improves Cardiovascular Capacity and Prevents Decline in Lung Function caused by Smoking : Efficacy of the Intermitten and Continuous Training Program. *Science and Sports*. 34 : 101-108.

Lemes, Í. R., B. C.Turi-Lynch, I. Cavero-Redondo, S. N. Linares, H. L. Monteiro. 2018. Aerobic training reduces blood pressure and waist circumference and increases HDL-c in metabolic syndrome: a systematic review and meta-analysis of randomized controlled trials. *Journal of the American Society of Hypertension*, 1-9.

Martinez-Hervas, S., M, L. Mansego, G. de Marco, F. Martinez, M. P. Alonso, S. Morcillo, *et al*. 2012. Polymorphisms of the UCP-2 gene are associated with body fat distribution and risk of abdominal obesity in Spanish population. *European Journal of Clinical Investigation*, 42(2), 171-178.

- Martini, F., & al, e. 2015. *Fundamentals of Anatomy & Physiology* (9 ed.). San Fransisco: Pearson Education.
- Martins, C., I. Kazakova, M. Ludviksen, I. Mehus, U. Wisloff, B. Kulseng, *et al.* 2016. High-Intensity Interval Training and Isocaloric Moderate-Intensity Continuous Training Result in Similar Improvements in Body Composition and Fitness in Obese Individuals. *International Journal of Sport Nutrition and Exercise Metabolism*, 26(3), 197–204.
- McArdle, W.D., F.I. Katch, V.L. Katch. 2010. *Exercise Physiology : Nutrition, Energy, and Human Performance Seventh Edition*. Philadelphia: Lippincott Williams & Wilkins.
- Mexitalia, M., T. Yamauchi, A. Utari, D. R. Sjarif, H. W. Subagio, A. Soemantri, T. ishida. 2013. The Role of Uncoupling Protein 2 and 3 Genes Polymorphism and Energy Expenditure in Obese Indonesian Children. *J. Pediatr. Endocr. Met.* 26 (5-6) : 441-447
- Mulligan, A. A., M. A. H. Lentjes, R. N. Luben, N. J. Wareham, K.T. Khaw. 2019 Changes in Waist Circumference and Risk of All-Cause and CVD Mortality: Result from the European Prospective Investigation into Cancer in Norfolk (EPIC-Norfolk) Cohort Study. *BMC Cardiovascular Disorders*. 238 (2019)
- National Center for Biotechnology Information [NCBI]. 2020. Uncoupling Protein 2 *Homo sapiens* (human). [Online] <https://www.ncbi.nlm.nih.gov/gene/7351> . Diakses 9 Agustus 2020.
- Nicoletti, C. F., A. P. R. P. de Oliveira, M. J. F. Brochado, M. A. Pinhel, B. A. P. de Oliveira, J. S. Marchini, , *et al.*,. 2016. The Ala55Val and -866G>A Polymorphism of the UCP-2 Gene could be Biomarkers for Weight Loss in Patient Submitted to Roux-en-Y gastric bypass. *Nutrition*. 10.1016/j.nut.2016.07.020
- Nurcahyo, F. 2011. Kaitan antara Obesitas dan Aktivitas Fisik. *Jurnal Medikora*. Vol. VII (1) : 87-96.
- Pujiyanti, D. V. 2019. Pengaruh Kombinasi High-Intensity Interval Training dan Resistance Training terhadap Penurunan Lingkar Perut pada Mahasiswi di Gontor Putri Kampus Lima Kediri. *Repositori Universitas Muhammadiyah Malang*. [eprints.umm.ac.id/53174/](https://eprints.umm.ac.id/53174/) [Diakses tanggal 1 Agustus 2020].

- Qin, L. J., J. Wen, Y. L. Qu, Q. Y. Huang. 2013. Lack of Association of Functional UCP-2 -866G/A and Ala55Val Polymorphism and Type 2 Diabetes in the Chinese Population Based on A Case-Control Study and A Meta-Analysis. *Genetics and Molecular Research*.12(3) : 3324-3334
- Rodrigues, A. C., T. N. Primola-Gomes, M. C. G. Peluzio, H. H. M. Hermsdorff, A. J. Natali. 2020. Aerobic Exercise and Lipolysis : A Review of the  $\beta$ -adrenergic signaling pathways in adipose tissue. *Science and Sports*. 1-11.
- Saraswati, M. R., Ketut S., Safarina G. M., Herawati S. 2011. The Uncoupling Protein 2 Ala55Va; Polymorphism is Associated with Diabetes Mellitus in a Balinese Population. *Journal of the ASEAN Federation of Endocrine Societies*. 26(1): 39-43.
- Sastroasmoro, S. dan S. Ismael. 2014. *Dasar-Dasar Metodologi Penelitian Klinis. Edisi Keempat*. Jakarta: Sagung Seto.
- Setiati S, Alwi I, Sudoyo AW, Stiyohadi B, Syam AF. 2017. Buku Ajar Ilmu Penyakit Dalam jilid I edisi VI. Jakarta : Interna Publishing
- Sherwood, L. 2017. *Fisiologi Manusia dari Sel ke Sistem Edisi 8*. Jakarta : EGC
- Shepherd, S. O., O. J. Wilson, A. S. Taylor, C. Thogersen-Ntoumani, A. M. Adlan, A. J. M. Wagenmakers, C. S. Shaw. 2015. Low-Volume High-Intensity Interval Training in a Gym Setting Improves Cardio-Metabolic and Psychological Health. *PLoS ONE*. 10(9):e0139056.
- Singh, R. K., P. Kumar, K. Mahalingam. 2017. Molecular Genetics of Human Obesity : A Comprehensive Review. *Comptes Rendus Biologies*. 1-22.
- Spanoudaki, S. 2011. Interval versus Continuous Training. *Journal of Sports Medicine & Doping Studies*. 1 : 102
- Sudikno, H. Syarief, C. M. Dwiriani, H. Riyadi. 2015. Faktor Risiko Obesitas Sentral Pada Orang Dewasa Umur 25-65 Tahun Di Indonesia (Analisis Data Riset Kesehatan Dasar 2013). *Penelitian Gizi dan Makanan*. Vol. 38(2) : 111-120.
- Surniyantoro, H. N. E., A. H. Sadewa, P. Hastuti. 2016. Polimorfisme Gen Uncoupling Protein 2 (UCP-2) Pada Orang Obese di Yogyakarta. *Repository Universitas Gadjah Mada*.

[http://etd.repository.ugm.ac.id/home/detail\\_pencarian/106057](http://etd.repository.ugm.ac.id/home/detail_pencarian/106057). [Diakses 1 Agustus 2020].

Susmiarsih, T., H. Trimarsanto. 2013. Kajian Bioinformatika Uncoupling Protein 2 (UCP-2) dan Mutasi Ala55Val UCP-2 pada Obesitas dan Diabetes Melitus tipe 2 (DMT2). *Majalah Kesehatan Pharmamedika*. 5(1) : 1-14.

Viana, R. B., J. P. A. Naves, V. S. Coswig, C. A. B. de Lira, J. Steele, J. P. Fisher, P. Gentil. Is Interval Training the Magic Bullet for Fat Loss? A Systematic Review and Meta-analysis Comparing Moderate-Intensity Interval Training with High-Intensity Interval Training (HIIT). *Br J Sports Med*. 53 : 655-664

Vimaleswaran, K. S., V. Radha, S. Fhosh, P. P. Majumder, M. R. S. Rao, V. Mohan. 2011. Uncoupling Protein 2 and 3 Gene Polymorphism and Their Association with Type 2 Diabetes in Asian Indians. *Diabetes Technology & Therapeutics*. 13(1) : 19-25

Wewege, M., R. van den Berg, R.E. Ward, A. Keech. 2017. The effects of high-intensity interval training vs. moderate-intensity continuous training on body composition in overweight and obese adults: a systematic review and meta-analysis. *Obesity Reviews*. 18: 635-646.

World Health Organization [WHO]. 2000. The Asia-Pacific Perspective : Redefining Obesity and It's Treatment. Western Asia Pacific Region : World Health Organization.

World Health Organization [WHO]. 2011. *Obesity and overweight: report 311*. Geneva: World Health Organization.

World Health Organization [WHO]. 2020. Obesity. [Online] <https://www.who.int/news-room/fact-sheets/detail/obesity-and-overweight> . Diakses 24 April 2020

Zhang, M., M. Wang, Z. Zhao. 2014. Uncoupling Protein 2 Gene Polymorphism in Association with Overweight and Obesity Susceptibility : A Meta-analysis. *Meta Gene*. 2 : 143-159.